

## Hasselblad 907X & CFV 100C

# Hasselblad 907X & CFV 100C Medium Format Mirrorless Camera Instruction Manual

Model: 907X & CFV 100C

## 1. INTRODUCTION

The Hasselblad 907X & CFV 100C is a medium format mirrorless camera system designed to merge classic aesthetics with advanced imaging technology. This manual provides essential information for setting up, operating, and maintaining your camera to ensure optimal performance and longevity.

With its 100-megapixel resolution and modular design, this system offers versatile photographic capabilities, honoring Hasselblad's heritage while embracing modern digital photography.

## 2. KEY FEATURES

- **100MP Medium Format Sensor:** Captures exceptional detail and lifelike color rendition.
- **Superior Dynamic Range:** Up to 15 stops of dynamic range for rich detail in highlights and shadows.
- **Versatile Lens Compatibility:** Supports Hasselblad XCD lenses, and HC/HCD, XPan, and V System lenses via adapters.
- **Intuitive Tilting Touch Display:** 3.2-inch display tilts up to 90 degrees for flexible shooting angles and user-friendly navigation.
- **Robust & Durable Build:** Machined aluminum construction with eco-leather cover and chrome edges for durability and ergonomic handling.
- **Modular Design:** Allows for three distinct photographic configurations, including integration with film camera bodies.

## 3. WHAT'S IN THE BOX

- CFV 100C Digital Back × 1
- 907X Camera Body × 1
- High Capacity Li-ion Rechargeable Battery × 1
- Hot Shoe Adaptor × 1
- Focusing Screen Mask × 1
- 30W USB-C Charger × 1
- USB-C to USB-C Cable × 1
- Shoulder Strap × 1
- Flash Sync Input Cable × 1

## 4. SETUP

### 4.1. Charging the Battery

Before initial use, fully charge the provided Li-ion rechargeable battery using the 30W USB-C charger and USB-C to USB-C cable. Connect the cable to the camera's USB-C port and a power source. The charging indicator will provide status updates.

### 4.2. Inserting the Battery and Memory Card

Locate the battery and memory card compartment. Insert the fully charged battery, ensuring correct orientation. Insert a compatible memory card (not included) into the designated slot. Close the compartment securely.

### 4.3. Attaching the Lens

Align the red dot on the lens with the red dot on the camera body's lens mount. Gently twist the lens clockwise until it clicks into place. To remove, press the lens release button and twist counter-clockwise.



Figure 4.1: Hasselblad 907X & CFV 100C with lens attached.

## 5. OPERATING THE CAMERA

### 5.1. Power On/Off

Press and hold the power button located on the camera body to turn the camera on or off.

### 5.2. Using the Tilting Touch Display

The 3.2-inch touch display can be tilted upwards to 40 and 90 degrees, enabling a unique waist-level shooting style. Navigate menus, adjust settings, and review images using touch gestures (click, drag, pinch-to-zoom).



Figure 5.1: Tilting touch display for flexible viewing angles.

### 5.3. Adjusting Settings

Access various camera settings such as exposure mode, ISO, aperture, and shutter speed through the touch interface or physical dials/buttons. Refer to the on-screen prompts for guidance.

### 5.4. Shooting Modes

The camera offers multiple shooting modes including Automatic, Landscape, Manual, Movie, Portrait, and Sports. Select the appropriate mode for your photographic needs.

## 6. LENS COMPATIBILITY

The 907X & CFV 100C is compatible with Hasselblad XCD lenses, offering a wide range of focal lengths and apertures. Additionally, it supports Hasselblad HC/HCD, XPan, and V System lenses via dedicated adapters, expanding your creative options.



Figure 6.1: Hasselblad 907X & CFV 100C with an XCD lens.

## 7. IMAGE QUALITY & COLOR SCIENCE

Equipped with a 100MP medium format BSI CMOS sensor, the camera delivers exceptional image quality. The Hasselblad Natural Colour Solution (HNCS) ensures accurate and pleasing color reproduction directly from the camera, minimizing the need for extensive post-processing. The 15 stops of dynamic range capture a broad tonal spectrum, preserving detail in both the brightest and darkest areas of your images.

## 8. MODULAR DESIGN & ERGONOMICS

The 907X & CFV 100C features a modular design, allowing the CFV 100C digital back to be detached and used with classic Hasselblad V System film cameras. The 907X camera body is lightweight (620g with digital back) and designed for comfortable handling, featuring an eco-leather cover and chrome edges.



Figure 8.1: The CFV 100C digital back detached from the 907X body.

## 9. POST-PRODUCTION & MOBILE APP

The camera captures images in JPEG and RAW formats, providing flexibility for post-production. Hasselblad offers a mobile application (Phocus Mobile) that allows for wireless transfer of images and basic editing on a connected smart device. This facilitates quick review and sharing of your work.

## 10. SPECIFICATIONS

| Feature                 | Detail          |
|-------------------------|-----------------|
| Brand                   | Hasselblad      |
| Model Name              | 907X & CFV 100C |
| Photo Sensor Resolution | 100 MP          |

| Feature                    | Detail                     |
|----------------------------|----------------------------|
| Photo Sensor Technology    | BSI CMOS                   |
| Photo Sensor Size          | Medium Format (>35mm)      |
| Dynamic Range              | Up to 15 stops             |
| Screen Size                | 3.2 Inches                 |
| Display Resolution Maximum | 100 MP                     |
| Min Shutter Speed          | 0.00025 seconds (1/4000s)  |
| Write Speed                | 14 fps                     |
| Supported File Format      | JPEG, RAW                  |
| Battery Type               | Lithium Ion                |
| Compatible Mountings       | Hasselblad V, Hasselblad X |
| Auto Focus Technology      | Phase Detection            |
| Autofocus Points           | 205                        |
| Item Weight                | 4.3 Pounds                 |
| Water Resistance Level     | Not Water Resistant        |

## 11. MAINTENANCE

### 11.1. Cleaning the Camera Body

Use a soft, dry cloth to clean the camera body. For stubborn dirt, a slightly dampened cloth can be used, followed by immediate drying. Avoid harsh chemicals or abrasive materials.

### 11.2. Cleaning the Lens and Sensor

For lenses, use a lens brush to remove dust, followed by a lens cleaning solution and a microfiber cloth. For sensor cleaning, it is recommended to use a professional sensor cleaning kit or have it serviced by an authorized Hasselblad technician to avoid damage.

### 11.3. Storage

When not in use, store the camera in a dry, dust-free environment, ideally in a camera bag or case. Remove the battery if storing for extended periods.

## 12. TROUBLESHOOTING

### 12.1. Camera Not Powering On

- Ensure the battery is fully charged and correctly inserted.
- Check for any debris in the battery compartment or contacts.

### 12.2. Image Quality Issues

- Verify lens is clean and free of smudges or dust.
- Check camera settings (ISO, aperture, shutter speed) for appropriate values for your shooting conditions.
- Ensure the sensor is clean; if not, refer to section 11.2.

### 12.3. Autofocus Problems

- Ensure sufficient light for the autofocus system.
- Check that the lens is securely mounted.
- Clean lens contacts on both the lens and camera body.

## 13. WARRANTY & SUPPORT

For warranty information and technical support, please refer to the official Hasselblad website or contact your authorized dealer. Keep your proof of purchase for any warranty claims.